

Certificate no: CMNZ70092

Version: 1

Original issue date: 19 January 2021

Version date: 24 July 2024

1. Certificate Holder Details



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Sam Guindi – Bureau Veritas Product Certification Manager



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Product Certificate

Enviro Cladding System

3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description. [Delete if not applicable]. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

The Enviro Cladding System consists of 50 mm-thick steel-reinforced Autoclaved Aerated Concrete (AAC) panels, 2200mm wide x 600mm high, mounted horizontally on H3.2 treated timber or high density expanded polystyrene (EPS) cavity battens and screw fixed to the external load-bearing wall. The Enviro Cladding System includes a plastered rendered coating to the exterior face of the panel.

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use. [Delete if not applicable]

The Enviro Cladding System is a non-load-bearing external wall cladding fixed to battens on an external load-bearing wall.

5. New Zealand Building Code Provisions

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).

How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.

B1 Structure: B1.3.1, B1.3.2, B1.3.3(a, f, h, j, q), B1.3.4

B2 Durability: B2.3.1(a), B2.3.1(b), B2.3.2

C3 Fire affecting areas beyond the fire source: C3.6 (contributes to), C3.7

E2 External moisture: E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to), E2.3.7

F2 Hazardous building materials: F2.3.1



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6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.

Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. The Enviro Cladding System is certified for use on buildings that are:
 - a) timber-framed to NZS3604:2011 Timber framed buildings or steel-framed specifically designed to NASH Standard Part 2:2019 Light Steel Framed Buildings, and
 - b) within the scope of Acceptable Solution E2/AS1 para 1.1, and with risk score not greater than 20, and
 - c) located in a wind zone up to and including Extra High wind zone (as specified in NZS3604:2011), and
 - d) located in any seismic zone (as specified in NZS3604:2011), and
 - e) in any exposure zone (excluding microclimates) (as specified in NZS3604), and
 - f) in risk groups SH, SM, CA or VP (as defined in Acceptable Solution C/AS1 and Acceptable Solution C/AS2) without sprinklers, located any distance from a relevant boundary with the proviso that EPS Battens must not be used for the Enviro Cladding System located closer than 1m from a relevant boundary for risk groups SM, CA or VP.
2. The Enviro Cladding System shall be installed:
 - a) on walls that are vertical, and
 - b) in accordance with the Enviro Cladding Systems AAC Wall Panel Technical Manual, October 2020
3. Where the Enviro Cladding System is located closer than 1m from a relevant boundary the internal face of the wall shall be lined with 10 mm (minimum) standard grade plasterboard
4. All joinery used in conjunction with the Enviro Cladding System shall meet the requirements of NZS 4211:2008 Specification for performance of windows and be installed with vertical jambs and horizontal heads and sills.
5. EPS battens shall not be left exposed to sunlight.

7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH & S statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.



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8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B1 Structure - By analysis and comparison with Verification Method B1/VM1

B2 Durability - By analysis and comparison with Verification Method B2/VM1 and Acceptable Solution B2/AS1

C3 Fire affecting areas beyond the fire source - By testing and comparison with Verification Method C/VM2 and Acceptable Solutions C/AS1 and C/AS2

E2 External moisture - By testing and comparison with Verification Method E2/VM1 and Acceptable Solution E2/AS3

F2 Hazardous building materials - By comparison with Building Code performance clause F2.3.1

9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure 1st Edition (Amendment 21), 2 November 2023
2. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B2 Durability (Amendment 12), 28 November 2019
3. C/VM2 Verification Method: Framework for Fire Safety Design For New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 7), 2 November 2023
4. C1 - C6 Protection from Fire Acceptable Solution C/AS1 Protection from fire for buildings with sleeping (residential) and outbuildings (risk group SH) Second Edition, 2 November 2023
5. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition, 27 June 2019
6. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
7. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause F2 Hazardous Building Materials (Amendment 3), 1 January 2017
8. CCANZ CP01:2014 Code of Practice for Weathertight Concrete and Concrete Masonry Construction
9. Ian Bennie and Associates Test Report No. 2015-102-S1 Nashi 50mm Wall System, January 2016
10. Exova Certificate of Assessment Certificate no. SFC 38259000.4 Nashi Super50 AAC Panel (Tests to AS1530.4-2014), 3 May 2018
11. Exova EWFA Test Report No. 365312-00.1 Tests in accordance with AS/NZS 1530.1-1994 Autoclaved Lightweight Aerated Concrete, 18 August 2015
12. Material Safety Data Sheet - Masons Enviro Panel 50 & 75 mm thick
13. MSDS NASAHI PANELS MPNL-SDS-2015, 1 October 2015
14. Redco Report Ref: 18283/impl201204ltr.docx EnviroPanel Certification for Extra High Wind Zone, 4 December 2020



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15. Sharp and Howells Report Test Report No. 19-0125B Testing of Reinforced Autoclaved Aerated Concrete Members to AS5146.2, 17 October 2019

16. Enviro AAC Wall Panel Technical Manual, October 2020

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

The Enviro Cladding System has the following components:

Autoclaved Aerated Concrete (AAC) panels 2200 mm wide x 600 mm high, 50mm thick

Battens:

- 20mm Poly Batten - 50 x 20 mm H grade EPS
- 20mm - 45 mm Timber Batten H3.2 (50 x 20mm; 45 x 45mm)

Plaster and Finishing Systems

- Mineral Plaster
 - Basecoat Plaster
 - Masons PlastaSeal™ Sealer
 - Fibreglass Mesh 150gsm: Embedded in Masons Skimming or Meshing or Enviro X render
 - Skimming Fill-out Coat: This coat is optional
 - Selected Finishing Coat: Masons 1 or 2mm texture or Adobe
 - Finishing
 - Premium Lime Stop Sealer: Applied over plaster finish to seal the plaster prior to painting.
 - Premium Build Elastomeric Acrylic Latex Paint: Applied in two coats to the plastered surface.
- Acrylic Plaster
 - Basecoat Plaster
 - Masons PlastaSeal™ Sealer
 - Optional Levelling Coat: Masons Skimming or Meshing render
 - Fibreglass Mesh 150gsm: Embedded in Masons FLX Bedding plaster
 - FLX™ Texture coat: 3-4 mm of FLX™ 1,2 or 3mm texture (can be pre-coloured and replace one coat of paint)
 - Finishing
 - Cure Finish: Cure and protect from rapid drying in accordance with Masons requirements.
 - Premium Build Elastomeric Acrylic Latex Paint: Applied in two coats to the plastered surface.



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Fixings

- Enviro Screws (bugle head) 75 mm, 100 mm stainless steel, galvanised Panel Adhesive
- Enviro Jointing Glue

Corrosion Protection Paint

- CRC ZINC IT

Flashings

- Enviro Reveal Bead
- Enviro Sill Flashing, 50mm
- Enviro Base Shoe/Head Flashing 50mm
- Control Joint PVC 8mm - 3mtr
- Plaster Jamb Perforated 50mm
- Edge Finishing Bead
- Meshed Corner Beads
- Corner Bead PVC, 20x20mm 2.7mtr
- Corner Soaker PVC
- Metal Louvre Weephole vent

11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

Further details regarding the use of the product can be found in the Enviro Cladding Systems AAC Wall Panel Technical Manual, October 2020

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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